

Please replace the paragraph beginning on page ¹⁰9 line ¹⁹28 with the following rewritten paragraph:

ycc
1/26/09

In a preferred form the most likely position of the user equipment is estimated e.g. by means of the serving mobile location center 8. The most likely position can be, for example, estimated based on information about the mass center of the coverage area of the cell 4 i.e. the area where the mobile station can receive signals from the base station. The mass center can be computed by means of the software of the SMLC.

Please replace the paragraph beginning on page 10 line 26 with the following rewritten paragraph:

Another possibility is to estimate the location based on information about the so called weighted mass center of the coverage area of the cell 4. The weight can be selected e.g. based on information about population density, roads, traffic densities, geographical information and so on.

Please replace the paragraph beginning on page 10 line 31 with the following rewritten paragraph:

Average Timing Advance (TA) value may also be determined for the cell 4. This may be done e.g. by the operation and maintenance system, or by a base station controller (BSC). This kind of functionality is already supported by some communication systems.